

What is claimed is:

1. An auto-reset leakage current circuit breaker performing over current cut-off function, leakage current cut-off function, and reset function, and comprising:

a zero sequence current transformer detecting abnormal current flows generated by ground faults or leakage currents;

an abnormal current detector comparing the value of the abnormal current flows, detected by the zero sequence current transformer, with the standard set-point value;

a cut-off/reset controller operating a relay in the case of the ground faults or the leakage currents, or resetting the relay in the case of elimination of the causes of the leakage currents;

the relay cutting off or resetting an electric path by the order of the cut-off/reset controller;

a minute current generator supplying minute currents to check leakage states, until the causes of the leakage current is eliminated, after the relay cuts off the electric path; and

an auto-reset unit supplying a pulse periodically to check an input signal after the cut-off/reset controller is operated to cut off the abnormal current flows.